

Neutron Studies on Two Heavy Water Piles, by J.  
Horowitz.

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at Geneva 8-20 Aug 1955, Vol V.

Internatl Conf -- UN

Sci - Nuclear Physics  
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CIA 1-669.9.162

EL4 Project: The Place of EL4 in the French  
Programme; Account of the Advance Project EL4,  
by J. Horkowitz, et al.

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pp 369-389.

UKAEA/Windscale-Tre23

Available on L.O.A.N. ONLY

Sci - Nucl Sci

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On the Quantum-Mechanical Many-Body Problem; an  
Expansion of the Gibbs Potential for a System of  
Many Particles, by Claude Bloch, Cyrano De Dominicis,  
Jules Horowitz, 146 pp.

FRENCH, per, Nuclear Phys, Vol VII, 1958, pp 451-458,  
459-479; Vol VIII, 1958, pp 91-105; Vol X, 1959,  
pp 181-196, 509-526.

AEC Tr-3865

Sci - Nuc Phys  
19 Jan 61

137,326

Measurement of Mean Free Course of Transport of  
Thermal Neutrons in Heavy Water by Means of a  
Modulated Source, by Victor Rayevskiy, Jules  
Horowitz, 4 pp.

FRENCH, par, Compt Rendus, Vol CXXXVIII, 1954,  
pp 1993-1995.

AEC Tr 2071

Scientific - Nuclear Physics Mar 55 CTS/DEK

22,278

(DC-5965)

NET Transportation of Coal From the Vojany  
Electric Power Plant, by J. Horeky, 7 pp.  
GOVERNMENT USE ONLY

CZECH, per, Energetika, Vol. XI, No 10, 1961,  
pp 496-497.

JPRS 12809

Elbur - Czechoslovakia  
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(NY-4757)

Telemetering System With Induction Transformer for  
Long-Distance Measuring, by Jerzy Horaki, 5 pp.

POLISH, per, Chemik, Vol III, No 6, 1960,  
pp 271, 272.

JPRS 7540

EEur - Poland

Econ

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Interview With Generalmajor L. Kucera on Training, by  
Jiri Horak, 18 pp.  
CZECH, per, Osvetova Lida, No 51, 52, Vol XXII, 1963, 22 Dec 1963,  
p 6. (Table of Contents)

JPRS 23161

EE-Czechoslovakia  
MI  
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ANALOG COMPUTERS AND THEIR APPLICATION IN  
TECHNOLOGY, BY VLADIMIR BERNARD, 7 PP. GOVERNMENT  
USE ONLY.

CZECH, PER, TECHNICKA PRACA, VOL XIV, NO 8,  
1962, PP 394-397.

PER NO: 058

SCI - MISC  
APR 63

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Rotating Juice Strainers, by E.C. Horst, P.von van der.  
GERMAN, per, Java Archief Deel I, No. 4, 1933,  
pp 109-123.  
CSR.CO/

*EC HORST*

Sci -  
July 1967

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Horst, Hans Albrecht; Johann, Hans Heinrich, and  
Schulze-Curloh, Walter.  
**PROTECTION OF SILICON RECTIFIERS IN ELECTRO-  
PLATING INSTALLATIONS.** [1963] 20p. (figs. omitted)  
10 refs.  
Order from SLA \$1.60

63-14421

Trans. of ETZ Elektrotechnische Zeitschrift.  
[Ausgabe] B. [der Elektrotechnik] (West Germany)  
1961 [v. 13] no. 12, p. 334-338.

**DESCRIPTORS:** \*Silicon, \*Crystal rectifiers, \*Electro-  
plating, Fuses (Electrical), Reliability.

Despite the greater reliability of silicon rectifiers used  
for supplying current to electroplating plants, provision  
must be made against several types of breakdown. The  
possible types of breakdown are enumerated. It was  
shown that the special characteristics and operating  
(Engineering--Electrical, TT, v. 10, no. 7) (over)

63-14421

1. Horst, H. A.  
2. Johann, H. H.  
3. Schulze-Curloh, W.

1047495

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Early Diagnosis and Therapy of Toxoplasmosis in  
Adults, by H. Franke, H. G. Horst, 18 pp.

Full translation.

GERMAN, per, Deutsche Med Wochenschrift, V  
No 35, 1951, pp 1049-1052.

CIA/FDC/X-1064

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The Gnostic Factor in Anthropotherapy, by L. Horst,  
17 pp.

DUTCH, per, Ned. Tijdschr. Psychol., 1955, pp 435-  
445.

SIA TR 57-1892

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Horst, Rochow.  
CERAMIC CONDENSER DIELECTRIC WITH HIGH  
DIELECTRIC CONSTANT AND LOW TEMPERA-  
TURE DEPENDENCE. [1962] 7p. (2 figs. omitted)  
5 refs.

Order from OTS or SLA \$1.10

62-14894

Trans. of German patent 1,117,766 by Rosenthal-  
Isolatoren Gesellschaft, appl. 21 Feb 59, issued  
23 Nov 61.

DESCRIPTORS: \*Ceramic capacitors, \*Dielectrics,  
Dielectric properties, Temperature, Capacitors.

(Engineering--Electrical TT, v. 8, no. 6)

62-14894

I. Horst, R.  
II. Patent (Germany)  
1 117 766

C222824

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Method for the Preparation of Aliphatic  
Carboxylic Acid Nitriles, by Paul Herold,  
Horst-Dietrich, 3 pp.

GERMAN, Patent No 704,494.

SLA 60-16108

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Vol IV, No 5  
Mar 62

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Attack of Iron-Saturated Molten Zinc on Iron, by  
D. Horstmann.

GERMAN, per, Stahl Und Eisen, Vol LXXIII, No 10,  
1953, pp 659-665.

Brutcher Tr No 3355

14,716

Scientific - Min/Metals

Dec 54 CTS/DEX

\$6.90

Attack of ~~the~~ Iron-Saturated Molten Zinc  
on Iron as Affected by an Antimony Content,  
by D. ~~Heck~~ Horstmann,

GERMAN, per, Archiv Eisenhuten, Vol XXV,  
Nos 5-6, 1954, pp 207-213.

Brutcher Tr No 3407  
\$4.80

21,357

Scientific - Min/Metals Feb 55 CTS



Intensified Attack of Molten Zinc on Iron at  
About 930°F, by D. Horstmann.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXV,  
Nos 5, 6, 1954, ~~XXXXXX~~ pp 215-219.

Brutcher Tr  
No 3290

Scientific - Min/Metals Jan 55 CTB/DEX

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Inhibitory Effect of Aluminium Additions to  
Hot-~~W~~ Dip Galvanizing Baths on the Forma-  
tion of Iron-Zinc Alloy Layers, by D.  
~~WILHELM~~ Horstmann, 5 pp.

GERMAN, per, Archiv fur das Eisenhüttenwesen,  
Vol XXVII, No 5, 1956, pp 297-302.

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Electrolytic Solution of Interm<sup>e</sup>tallic Iron Zinc  
Compounds and Determination of Solubility of Some  
Metals in These Compounds, by D. Horstmann.

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1956, pp 423-428.

INSDOC-T2253

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Hot Dip Aluminizing, by D. Horstmann. UNCL

GERMAN, per, Stahl u Eisen, 21 Mar 1957,  
pp 359-362, Apr, pp 435-438, 18 Apr, pp 512-525.

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Steel Ind 1404  
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Sci - Min/Met  
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The Attack of Iron-Saturated Zinc Metal upon  
Chlorine and Nickel-Containing Iron, by G.  
Perstmann.

DEINAM, per, Archiv Eisenhüttenwesen, Jul 1960.  
pp 405-410.

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Jul - Chem

pag 60

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Horstmann, D.  
THE EXAMINATION OF PORES IN NON-METALLIC  
PROTECTIVE COATINGS. [1960].  
Order from BISI 2

BISI-2034

Trans. of Stahl [und] Eisen (West Germany) 1960,  
v. 80, 29 Sep, p. 1348-1349.

(Materials--Ferroalloys, TT, v. 5, no. 7)

61-12713

1. Coatings--Porosity

2. Metals--Coatings

1. Horstmann, D.

II. ~~BISI-2034~~III. British Iron and Steel  
Industry Translation  
Service

Office of Technical Services

General Principles of the Effects of  
Accompanying Elements in the Iron on  
the Processes Taking Place in Hot-Dip  
Galvanizing, by D. Horstmann.  
GDMH, per, Stahl Eisen, Vol 30,  
Oct 27, 1960, pp 1531-1540.  
G151 4359

*D. Horstmann*

Sci/12/1  
Oct 65

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Inter-Relation Between the Carbon Content of Steel  
Sheets, the Enamel and the Firing Temperature  
During the Process of Vitreous Enamelling, by  
D. Horstmann.

GERMAN, per, Stahl und Eisen, Vol LXXXI,  
11 May 1961, pp 629-640.

BISI 2306

Sci - Chem

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The Influence of Chemical Composition and  
Structure of the Steel and Zinc Coat on the  
Properties of Cold Rolled, Zinc-Coated Sheets,  
by D. Horstmann.

GERMAN, per, Stahl und Eisen, Vol LXXXII, 1962,  
pp 338-347.

BISI 2973

Sci - M/M  
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*Sept 7* 222,531

The Influence of Hot Dip Galvanizing on the  
Fatigue Characteristics of Cold-Rolled  
Sheet, Part I, by M. Hempel, D. Horstmann.

GERMAN, per, Stahl und Eisen, Vol LXXXII,  
No 25, 1962, pp 1769-1775.

HB 5801

Sci-M/W

Dec 63

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The Influence of Chemical Composition and  
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Properties of ~~EX~~ Cold Rolled, Galvanized Fine  
Sheet Metals, by D. Horstman,

BERMAN, per, Stahl und Eisen, Vol LXXXVI, No 6,  
1962, pp 336-347.

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Sci - Man/Mat  
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The Influence of Hot Dip Galvanizing on the  
Surface Characteristics of Cold-Rolled STEEL  
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CRUCHE, part, Stahl und Eisen, Vol LXVIII, II  
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The Effect of the Short Manned and Submarine  
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and Navy. By R. H. H. H. H. H.  
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NHL 2079

Sol - Hager  
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Effect of Conditions of Hot-Dip Galvanizing on the  
Thickness, Structure and Properties of Zinc Coatings,  
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GERMAN, per, Stahl und Eisen, Vol LXXXIII, No 25,  
1963, pp 1640-1646.  
HB 6112

Sci - M/M  
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Effect of Surface Roughness and Heat  
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Sheet, by H. Horstmann, U. Krause,  
DMWAG, per, Forschungsber. Land.  
Nordrhein-Westfalen, No 1413, 22, 1964.  
BIBI 4420

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*H. Horstmann*

Sci/441

Nov 65

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General Notes of the Influence of Residual 74  
Elements on the Processes of Soil Dis-  
semination, by E. Horstmann.  
Munich, Ger., Forschungsb. Land., Nordrhein-  
Westfalen, 1964, (1347), 27 pp.  
ADA 4479

*D. HORSTMANN*

in Germany  
Sci 61  
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Horstmann, Dietrich.  
THE ADHESIVE STRENGTH OF ZINC COATINGS  
ON HEAVILY COATED, HARD DRAWN WIRES OF  
RIMMED LOW CARBON STEEL. Rept. no. 83 and  
rept. no. 30 of the Galvanizing Panel of the Wire  
Manufacturing Panel of the Verein Deutscher Eisen-  
hüttenleute. [1961] [11]p. 8 refs.  
Order from SLA \$1.60

61-18743

Trans. of Stahl und Eisen (West Germany) 1958,  
v. 78, 16 Oct, p. 1456-1462.

DESCRIPTORS: \*Steel wire, \*Zinc coatings, \*Adhesion  
Nitrogen, Phosphorus, Iron, Temperature, Coatings,  
Metal coatings, Wire.

The adhesive strength of the zinc coating of heavily  
galvanized hard drawn wires of low carbon rimmed  
steel is improved by nitrogen and phosphorus in the  
steel. The remaining accompanying elements in the  
(Metallurgy--Ferrous Metals, TT. v. 6, no. 10) (over)

61-18743

I. Horstmann, D.  
II. Title: Verein...

Office of Technical Services

Horstmann, Dietrich.  
THE ATTACK OF IRON SATURATED ZINC MELTS  
ON ALUMINUM CONTAINING IRON. [1963] [10]p.

7 refs.

Order from SLA \$1.10

63-16845

Trans. of Archiv für das Eisenhüttenwesen (West  
Germany) 1956, v. 27, no. 3, p. 161-163 (Max Planck  
Institut für Eisenforschung) (West Germany).  
[Communication]-657; [Verein Deutscher Eisen-  
hüttenleute (West Germany). Berichte-20].

DESCRIPTORS: \*Aluminum, \*Iron, \*Zinc, Melting.  
\*Fused materials, Chemical analysis.

The attack of iron saturated zinc melts is strengthened  
by means of very slight aluminum content in the iron up  
to perhaps 1%. At higher aluminum contents of perhaps  
5% the attack is lower than on aluminum free soft iron.  
(Metallurgy, TT, v. 10, no. 6)

63-16845

- I. Horstmann, D.
- II. Max ... Communica-  
tion-657
- III. Verein ... Berichte-20

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The Structure of the Skin as Determined Under  
the Electron Microscope, by E. Horstmann, 8 pp.

GERMAN, per, Archiv fuer Klinische und Exper-  
imentelle Dermatologie, Vol CCII, 1960,  
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NIH 12-23-62

Sci - Med  
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Electron Microscopic Studies on the Poliovirus. I.  
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GERMANY, per, Zeit fuer Zellforschung, Vol. KLVIII,  
1958, pp 348-362.

NR 11-28

Sci - Medicine  
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in the Electron Microscopy of Nucleic and  
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GERMAN, per, Verhandlungen der Deutschen  
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TUM (D), pp 3-4-3-4.

NIH 4-41-02

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Sci - Med

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THE STRUCTURE OF THE NUCLEOLUS AND THE NUCLEUS, BY  
E. HORSTMANN, A. KNOPP, 4 PP.

GERMAN, PER, Z. ZELLFORSCH, VOL XLVI, 1957,  
PP 100-107.

NIH 6-58-62

SCI - MED

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Horstmann, H., Knott, Th. and others.  
RELATIONS BETWEEN STRUCTURE, ACTION AND  
PROTEIN-BINDING IN THE 2-SULFANILAMIDOPYR-  
IMIDINE SERIES. [1961] [10]p. 23 refs.

Order from SLA \$1.10

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Trans. of Arzneimittel-Forschung (West Germany)  
1961, v. 11, Aug. p. 682-684.

DESCRIPTORS: \*Sulfadiazine, Pyrimidines, \*Chemo-  
therapeutic agents, Effectiveness, Proteins, Serum,  
Molecular structure, Mice, Streptococcus infections.

The chemotherapeutic activity and the binding to human  
serum of 38 different, preferably 5-substituted sulfa-  
nilamidopyrimidines have been investigated. The values  
are compared with those of the clinically applied sul-  
fapyrimidines, which were investigated under identical  
conditions. Five of the 38 sulfapyrimidines were more  
(Biological Sciences--Pharmacology, TT, v. 7, no. 9)

62-14098

I. Horstmann, H.  
II. Knott, Th.

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The Effect of the Ground to Air to Ground  
Cycle on the Life of Transport Aircraft  
Wings Which are Subject to Gust Loads,  
by E. Gassner, K. F. Horstmann.

GERMAN, per, Ber Lab Fur Betrieb Darmstadt,  
1960.

RAE 933 '

Sci-Aero

167,857

Sep 61

Effect of Load Cycle At Takeoff and Landing on the  
Service Time of Semi-Landed Wings of Passenger  
Planes, by E. Gossner, E. F. Hartmann, 20pp  
ILLUSTR., part, abstract and construction code of  
Advanced in Engineering Sciences, Vol 34,  
1961, pp 753-779  
SLA IT-6-18356

*K. R. Hartmann*

Sci - Eng  
June 67

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Distribution of Population in Indonesia,  
by Kurt Horstmann, 1944.  
GERMAN, per, Die Erde, No 3, 1904, pp 167-180.

\*JPRS/DC-11052/SPECIAL

FE-Indonesia

Soc

Jan 65

Clinic and Electroencephalographic Experiences with Boe 339 (3-Methyl-3,4-Dihydroxy-4-Phenyl-1-Butyne in Infancy (Children), by W. Horstmann.

GERMAN, per, Medizinische Klinik, Vol 58, No 30, 1963, pp 1234-1236.

SLA tt-66-10097

*W. Horstmann*

Sci-B&M  
June 66

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Decomposition of Crude Fiber in the Cuscuta,  
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POLISH, per, Roczniki Nauk Rolniczych, Vol  
LXXX-B-3, 1962, pp 333-342.  
UNSTI TT 65-50502

Sci-800  
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Length and Capacity of the Intestinal Tract  
and Rate of Passage of Digesta, by F. Mersz-  
czak,  
Polish, per, Roczniki Nauk Rolniczych, Vol  
LXXX-5-2, 1962, pp 113-125.  
CPSTI TT 65-50502

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REV 66

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Effects on Digestive Processes in Pigs of  
Different Amounts of Crude Fiber in the  
Ration, by F. Worszczynski,  
POLISH, Pr, Roczniki Nauk Rolniczych, Vol  
LXXIX-1., 1962, pp 5-22.  
CPMTI FT 65-50502

Sci-MED  
NOV 60

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Conductivity of Aqueous Solutions of Sodium  
Hydroxide and Sodium Carbonate,  
by J. J. Norta dos Santos, et al.  
PORTUGUESE, per, Tecnica, Vol XXXVIII,  
No 337, 1964, pp 439-451.  
Chem Trans Sv No 3047

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Sci-Chem  
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J. J. Norta dos Santos

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On the Exothermic Reaction of Metakaolin  
Between 950 and 1000°C, by J. Wiegmann, C.  
Horte.

GERMAN, per, Z. fuer Anorganische und  
Allgemeine Chemie, Vol CCLXXXVI, No 5/6,  
1956, pp 268-287.

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Sci - Chem

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A Method for Producing Beams of Negative Ions, 77  
by W. Gentner, G. Horig, 9 pp.  
GERMAN, rpt, Max-Planck-Institut fuer Kernphysik,  
Heidelberg, 1962. 9221775  
AEC-NP-Tr-1107

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May 64

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GERMAN, Austrian patent No 179,437, 3pp.

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EEur - Germany

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*Sci - Engineering*

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The Treatment of Presenile Involuntional  
Osteoporosis, by H. Jesserer, W. Hörtznagl, 27 pp.

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1954, pp 10-15.

NIE Tr No 5-18

Scientific - Medicine  
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Franco-Rumanian Relations in the Marxist Medical Field,  
by Prof Stefan S. Nicolau, Dr Arthur Kreindler,  
Dr Nicolae Bartolomei, 6 pp.

<sup>per</sup>  
FRENCH, ~~Sept~~, La Presse Medicale, Aug 1956,  
Encl to IR-3926-56, AA, Paris.

AF 1036093

EEur Rumania  
Sci - Medicine

Sociological-Health

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The Adhesive Strength of Zinc Coatings on  
Heavily Coated, Hard Drawn Wires of Rimmed Low  
Carbon Steel, by D. Kortstamm. USCL

GERMAN, per, Stahl u Eisen, 16 Oct 1958,  
pp 1456-1462.

British Iron and Steel Ind 1131  
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Sci - Mjn/Met  
Apr 59

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Horan, S.  
PROCESS FOR THE MANUFACTURE OF PHENOLIC  
FOAMS. [1963] 5p.  
Order from AIS \$7.50

AIS-53068RU

Trans. of Rev[ista de] Chim[ie] (Rumania) 1962,  
v. 13, no. 7/8, p. 471-473.

DESCRIPTORS: \*Foams, Processing, Manufacturing  
methods, \*Expanded plastics, \*Phenolic plastics.

63-17452

I. Horan, S.  
II. AIS-53068RU  
III. Associated Technical  
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58  
Method of Making Phenolic Foam, by S. Hurun.  
ROMANIAN, per, Revista de Chimie, Vol 13, No 8,  
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ALL Ref: 5828.4F (! 13341)

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Sci/Stat  
Dec 69

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Ultrasonic Testing of Welded Joints,  
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SWISS, per, Zeitschrift fuer Schweisstechnik,  
Vol 49, No 10, 1959, pp 284-289.  
SLA TT-66-10458

II-66-10827

*R. Horung*

Sci-Engr  
Jul 66

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(NY-4343)

Ten Years of the Socialist Instrument Industry,  
by Ervin Horvai, 13 pp.

HUNGARIAN, per, Mérés es Automatika, Vol VIII,  
No 4, 1960, pp 97-99.

JPRS 7328

EEur - Hungary  
Econ  
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Study of Splashes Produced by Vertical Top Flowing  
on to a Bath of Water, by J. Chedaille, M. Norvais

FRENCH, per, Centre de Documentation Siderurgique, 21  
Circulaires d'Informations Techniques, Vol XIX,  
No 2, 1962, pp 361-366.

BIBI 3057

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**Selfmanagement, Organization, and Planning.**  
**by Harold Murray. 48 pp.**  
**ADMINISTRATIVE, pub, Foreign, Vol XT244.**  
**No 3, 1964, pp 413-444.**  
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**EE-Management**  
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**Analysis of Some of the Effects of Price Changes in the Yugoslav Economy, by Branka BUKIC, 1964.**

**CHOCAYEVAN, per, Econ. Planning, Vol. XIV, No. 2, 1964, pp. 432-434.**

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CERTAIN PROBLEMS IN FORMULATING PRICES,  
BY BRANKO HORVAT, 9 PP.

SERBIAN, NP, BORBA, 16, 17, 18 JAN 1963,  
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JPRS 17547

EEUR - YUGOSLAVIA  
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Resolution of a Great System of Standard Equations  
through the Application of Ideas of Francis Prane-  
vich and Prof. Bolts, by Esteban Horvat.  
SPANISH, per. Instituto Panamericano de Geografia  
e Historia, Publ No 135, 1954.

\*ACSI J-4376

ID 2204006768

Sci-Math Sci

Mar 68

Distribution of Forest Vegetation in Yugoslavia,  
by Prof Dr Ivo Kervat, 38 pp. FOR OFFICIAL USE ONLY

CHROMATIAN, monograph, *Bizaka Zajednica Jugoslavije*,  
Zagreb, 1950, pp 9-61.

CIA FID Tr 724

EDIR - Yugoslavia

Geo - Forests

Econ

Mar 59

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(FDD 24971)

The Vegetation of the Meseik Mountains, the Inter-relationship of Phytogeography and the Rock Formations of the Mountains (Hungary), by O. Horvat, 15 pp.

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EEur - Hungary

Geo - Vegetation, phytogeography, rock formation  
15 Jun 1955 Jul 55

EXPENDITURES OF SOCIAL SERVICES AND GOVERNMENT  
ADMINISTRATION, BY V. NIKSIC, 28 PP

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SPRS 21611

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Vol LXXXV, No 6, 1963, pp 603-609.

OTS 63-11458/6  
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Sci 684  
Jul 684

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(DC-2978).

Christianity and Politics, by Bela Horvath,  
5 pp.

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EEur - Hungarian

*Soc Pol*  
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Turin Story, by Bela Horvath, 5 pp.  
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Trans. of Magyar Kemiai Folyoirat (Hungary) 1962,  
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DESCRIPTORS: \*Anaerobiology, \*Corrosion, \*Oxida-  
tion-reduction reactions, \*Hydrogen ion concentration,  
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A potential - pH equilibrium diagram was constructed  
for the Fe - S - H<sub>2</sub>O ternary system in connection with  
studying the mechanism of anaerobic microbiological  
corrosion. Correlations between pH and oxidation-  
reduction potentials are discussed in connection with the  
(Metallurgy--Corrosion, TT, v. 11, no. 3) (over)

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1. Title: Pourbaix diagrams
2. Title: Sulfate-reducing  
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DESCRIPTORS: \*Anaerobiology, \*Corrosion, Bacteria, \*Polarization, Reduction (Chemistry), \*Sulphates, Iron, Steel

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\*Bacteria, Electrochemistry, Hydrogen ion concentra-  
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rate of anaerobic microbiological corrosion are inter-  
preted. It is established that the variation of corrosion  
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